

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number
WO 2005/058825 A1

(51) International Patent Classification⁷: **C07D 211/90**

(21) International Application Number:
PCT/KR2004/003309

(22) International Filing Date:
15 December 2004 (15.12.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2003-0092001
16 December 2003 (16.12.2003) KR

(71) Applicant (for all designated States except US): **SK CHEMICALS, CO., LTD.** [KR/KR]; 600 Jungja 1-dong, Jangan-ku, Suwon-si, Kyungki-do 440-301 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KIM, Jae-Sun** [KR/KR]; 15/5 1146-3 Seryu 2-dong, Gwonseon-gu, Suwon-si, Kyungki-do 441-112 (KR). **CHOI, Jin, Young** [KR/KR]; 127-108 Cheoncheon Jugong Apt. Cheoncheon-dong, Jangan-gu 440-330, Suwon-si, Kyungki-do 440-330 (KR). **RYU, Je, Ho** [KR/KR]; 401 Samyang Villa 654-6 Daerim 3-dong, Yeongdeungpo-gu, Seoul 150-073 (KR). **LEE, Nam, Kyu** [KR/KR]; 123-108 Jugong Apt. 333 Cheoncheon-dong, Jangan-gu, Suwon-si, Kyungki-do 440-330 (KR). **JANG, jeong-soo** [KR/KR]; 507-1706 Hayan Maeul Jugong Apt. 110 Gumi-dong, Bundang-gu, Seongnam-si, Kyungki-do 463-794 (KR). **JANG, Woo, Jae** [KR/KR]; 725-28 Geumjeong-dong, Gunpo-si,

Kyungki-do 435-050 (KR). **UM, Key, An** [KR/KR]; 102-305 Hanil Town Jowon-dong, Jangan-gu, Suwon-si, Kyungki-do 440-290 (KR). **KUM, Do, Seung** [KR/KR]; 102-304 Hansol Apt., Samsung 2-dong, Kangnam-gu, Seoul 135-092 (KR).

(74) Agent: **PAIK, Nam-Hoon**; 14th Fl., KTB Network Bldg. 826-14, Yeoksam-dong, Kangnam-ku, Seoul 135-769 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AMLODIPINE GENTISATE AND A METHOD OF ITS PREPARATION

(57) Abstract: The present invention relates to an acid salt of amlodipine gentisate and a method of its preparation. More particularly, the present invention relates to a crystalline acid salt of amlodipine gentisate of the following formula 1 prepared by reacting amlodipine and gentisic acid, which is useful for the treatment of cardiovascular diseases and has the advantages of low toxicity, excellent stability, improved pharmaceutical efficacies and long-lasting concentration in blood.



WO 2005/058825 A1